

Title (en)  
AUTOMATIC TRANSMISSION

Title (de)  
AUTOMATISCHES GETRIEBE

Title (fr)  
TRANSMISSION AUTOMATIQUE

Publication  
**EP 1626204 A4 20110216 (EN)**

Application  
**EP 04727721 A 20040415**

Priority  
• JP 2004005390 W 20040415  
• JP 2003140260 A 20030519

Abstract (en)  
[origin: EP1626204A1] An automatic transmission comprises a planetary gear train PG, a countershaft 5, which is disposed in parallel with the rotational axis of the planetary gear train PG, a first brake B1, a first gear train G1, a first clutch C1, a third gear train G3, a third clutch C3 and a fourth clutch C4. Furthermore, the planetary gear train PG comprises a sun gear S, which is connected to the first main shaft 3, a carrier C and a ring gear R. The first gear train G1 comprises a first drive gear 6, which is connected to the ring gear R, and a first driven gear 7, which is disposed rotatably over the countershaft 5 and meshes with the first drive gear 6. The third gear train G3 comprises a third drive gear 10, which is disposed rotatably with respect to the carrier C, and a third driven gear 11, which is connected to the countershaft 5 and meshes with the third drive gear 10. In this automatic transmission, the first brake B1 can hold the ring gear R stationary, and the first clutch C1 engages or disengages the first driven gear 7 to or from the countershaft 5. The third clutch C3 engages or disengages the third drive gear 10 to or from the carrier C, and the fourth clutch C4 brings the sun gear S and the ring gear R into engagement with each other or into disengagement.

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Citation (search report)  
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• [A] US 5554079 A 19960910 - SEO TAESEOK [KR], et al  
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**EP 1626204 A1 20060215**; **EP 1626204 A4 20110216**; CN 100472092 C 20090325; CN 1791756 A 20060621; JP 2004340329 A 20041202; JP 4386672 B2 20091216; KR 20060021317 A 20060307; MY 138390 A 20090529; US 2007010371 A1 20070111; US 7344471 B2 20080318; WO 2004104444 A1 20041202

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